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United States Department of Agriculture.

SERVICE AND REGULATORY ANNOUNCEMENTS.

BUREAU OF ANIMAL INDUSTRY.

DECEMBER, 1923.

l'This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each, or 25 cents a year. A supply will be sent to each official in charge of a station or branch of the bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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CHANGES IN DIRECTORY.

Meat Inspection Granted.

123. The Smithfield Co. (Inc.), Smithfield, Va.
*139. Abraham Plaut, 307-319 Johnson Avenue, Brooklyn, N. Y.
*176. Chicago Public Abattoir, 960 West 38th Place, Chicago, Ill.
264. The Southern Cotton Oil Co., 204 Bay Street East (mail, 120 Broadway, New York, N. Y.), Savannah, Ga.
*358. M. & H. Hoffman, 403-409 East 44th Street, New York, N. Y.
808. Ottman & Co. (Inc.), 2-8 Ninth Avenue, New York, N. Y.
978. John Volpi & Co., 5256 Daggett Avenue, St. Louis, Mo.
*1001. Eastern Veal & Mutton Co., 411-415 East 44th Street, New York,

Meat Inspection Withdrawn.

*688. J. B. Ireton, Cincinnati, Ohio. *753. Manhattan City Dressed Beef Co., New York, N. Y. 965. Louis M. Doctor, New York, N. Y.

Change of Name of Official Establishment.

408. H. E. Whitaker, 4118 Ludlow Street, Philadelphia, Pa., instead of Acorn Packing Co.

*881. Dyson-Meyer Packing Co., instead of Dyson-Meyer Provision Co., New Richmond, Wis.

^{*} Conducts slaughtering.

Change of Address of Official Establishment.

3-K. Swift & Co., Richmond, Va., from 109 Union Street to Tenth and Byrd Streets.

403-A. The Feinberg Kosher Sausage Co., from Fifth Street and Kaw River, Kansas City, Kans. (mail, 15 East Fifth Street, Kansas City, Mo.), to 709 Linwood Boulevard, Kansas City, Mo.

Add to Address List.

Dr. Lloyd E. Case, cooperative tuberculosis-eradication work, P. O. box 3319, Honolulu, Hawaii.

Remove from Address List.

Dr. Frank D. Owen, Raleigh, N. C.

Directory Notes.

Pages 7 and 105, address of Dr. J. W. Murdoch is P. O. box 844, Capitol Station (office in Live Stock Building), Helena, Mont.

Pages 41 and 74, add * before Establishment No. 444.

Dr. A. J. De Fosset, Raleigh, N. C., will also have charge of hog-cholera

control work.

NOTICE REGARDING MEAT INSPECTION.

IMPROVED METHOD OF PREPARING HOG CASINGS.

The bureau is in receipt of information, based on test and observation, showing that the offensive odor incident to the fermenting of hog casings may be prevented by holding the intestines in a salt brine during the fermenting period. Final or conclusive tests to determine just what strength and temperature of brine are most effective have not been made; but actual use of the method by a considerable number of establishments employing a variety of formulas has demonstrated that two advantages attend its use. The first and the one in which the bureau feels a particular interest, is a very material reduction in the obnoxious odor incident to the preparation of casings fermented by the method now in general use. The second advantage is the production of casings which are whiter and have less of the odor common to casings fermented without the the use of salt. In some quarters objection has been made to the use of salt on the ground that it hardens the casing, making it less easy to clean, and causing more breaks with a corresponding reduction in the yield. To this objection may be cited the fact that a number of establishments are using the brine method under different formulas with the satisfactory results stated above. From this it must be concluded that unsatisfactory results are due to excessive salt or to holding the casings in the brine an unnecessarily long time. These defects in method may easily be corrected.

In regard to formulas it may be mentioned that a brine of 60° or under this this strength appears to be favored by the larger number of users. Practice as regards the temperature of the brine shows wide variation, ranging from 60° to 110° F., with the larger number using 75° to 85° F. The manner of handling is stated to be as follows: When the fresh casings have been hand stripped of their contents they are placed in tierces, the amount being limited to about one-third the capacity of each tierce. Brine enough to cover the casings is added and a rack or weight is used to keep them submerged. The length of time casings are held in the brine also varies, ranging from 18 to 24 hours or longer according to

their condition.

As stated, some objection to the use of brine has been made, but the favorable reports received greatly outnumber the objections, and the advantage of the method from a sanitary standpoint is such that the bureau urges all official estabments at which hog casings are prepared to give the method a full and thorough trial. Further, it is desired that inspectors in charge interest themselves in the matter and report the results obtained through trials of the method made in the establishments in their charge.

ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION, NOVEMBER, 1923.

Station.	Cattle.	Calves.	Sheep.	Goats.	Swine.
D. 141	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.
Baltimore	8,830	1,283	4,206		124,433
Brooklyn	7,028 11,297	5,803 3,478	28,402 9,329		113,108
Buffalo	184,410	46,009	211,752	1,420	902,759
Cincinnati	11,305	6,221	4,661	3	77,601
Cleveland	10,314	6,433	12,661	127	137,595
Detroit	5,845	5,654	18,587		125,950
Fort Worth	48,032	39,553	9,037	89	38,918
Indianapolis.	18,687	2,815	4,611	22	216,158 80,035
Jersey City.	4,714 115,794	8,938 34,989	33,958 65,150	285	376,968
Kansas City Milwaukee	14,949	33,620	5,049	1	205,338
National Stock Yards	45, 513	7,687	19,049	1,011	183,917
New York	28,255	35,887	131,632	159	110,087
Omaha	61,663	7,660	93,393	26	183,648
Philadelphia	9,861	6,396	18,723		113,027
St. Louis.	16,982	3,425	4,192	95	191,857 139,333
Sioux City South St. Joseph	21,303 30,286	1,569 5,963	23,953 47,926	95	183.144
South St. Paul	44,447	42,970	45,186	1	332,722
All other establishments	146,103	63,717	123,772	607	1,504,080
Total: November, 1923	845,618	370,070	915, 229	3,852	5,340,678
November, 1922. 11 months ended November,	859, 413	347,711	882,213	3,560	4,318,003
1923	8,406,266	4,176,785	10,550,869	23,615	47,429,949
11 months ended November, 1922.	7,899,071	3,872,923	10,071,330	16,539	37,912,192

Horses slaughtered at all establishments, November, 1923, 424. Inspections of lard prepared at all establishments, 170,170,908 pounds; compound and other substitutes, 31,544,432 pounds. Corresponding inspections for November, 1922: Lard, 146,736,424 pounds: compound and other substitutes, 29,850,717 pounds. (These totals do not represent actual production, as the same lard or compound may have been inspected and recorded more than once in the process of manufacture.)

CAUSES FOR CONDEMNATIONS OF CARCASSES IN OCTOBER, 1923.

Cause.	Cattle.	Calves.	Sheep.	Swine.
Emaciation. Hog cholera.	740	158	532	7, 474
Inflammatory diseases	830	187 315	399	2, 661
Tuberculosis. All other causes.	5, 894 1, 677	440	806	6, 907 4, 102
Total	9, 141	1,100	1, 737	21, 144

IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS.

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during November, 1923, with figures for other periods for comparison.

Imports of food animals.

Country of export.	Cattle.	Swine.	Sheep.	Goats.
Mexico. Canada.	6,707 18,079	113 53	9,027	360
Total: November, 1923. November, 1922. 11 months ended November, 1923. 11 months ended November, 1922.	24, 786 34,173 153,166 254, 595	166 944 2,204 3,141	9,027 4,428 48,298 83,234	362 4 502 7,569

Imports of meat and meat food products.

Country of export.	Fresh and	refrigerated.	Canned	Other products.	Total weight.
order, or one pro-	Beef.	Other.	and cured.		
Argentina Australia	Pounds. 108,726	Pounds.	Pounds. 236,182	Pounds. 149,969	Pounds. 494,877 5,481
Canada Uruguay		343,576	21, 017 314, 874	118,957	1,786,206 314,874
Other countries		558	41,117	12,094	53,769
Total: November, 1923 November, 1922 11 months ended November,	1,411,382 3,114,594	349,615 461,960	613,190 1,071,187	281,020 66,263	2,655,207 4,714,004
1923 11 months ended November,	12,558,856	9, 429, 962	10,652,383	1,261,172	33,902,373
1922	25,421,632	16,772,884	5,719,002	1,119.218	49,032,736

Condemned in November, 1923: Pork, 240 pounds.

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERA-TION WITH THE VARIOUS STATES, NOVEMBER, 1923.

	T10.	N WI	TH '	THE	VAR.	lous	STATES, NO	OVEMBER, 1923.
State.		erculin		Total once- tested	Total ac- cred-	Total herds under	Inspector in	State official.
	Herds	Cattle	Cattle re-	îree	ited	super-	charge.	
	lots.	tested.	acted.	herds.	herds.	vision.		
Ala	50	2,053	9	1,741	153	2,015	R. E. Jackson	C. A. Cary, Auburn.
Ariz	115	2,176	218	1,211	1	1.459	F. L. Schneider.	S. E. Douglas, Phoenix.
Ark	219 53	834 4,976	5 19	1.942	45 19	2.129	B Snyder	J. H. Bux, Little Rock. J. P. Iverson, Sacramento.
Colo	170	1.514	67	362	11	456	W. E. Howe	C. G. Lamb, Denver.
Conn	262	7,027	1,397	1,128	318	1,539	R. L. Smith	C. G. Lamb, Denver. J. M. Whittlesey, Hartford.
Del	79	1,305	92	1,174 270	664	2,431 288	W. G. Middleton	O. A. Newton, Bridgeville.
D. C	112	1,947	4	4,548	10 227	5,486	J. A. Kiernan J. G. Fish	J. V. Knapp, Tallahassee.
Ga	96	2.627		2,910	47	3,581	A. L. Hirleman .	P. F. Bahnsen, Atlanta. W. R. Smith, Boise.
Idaho	247	10,278		11,178	111	12,995	W. A. Sullivan	W. R. Smith, Boise.
Ill	4,485	40,234 14,698	1,579	1,251 20,348	526 4,321	21,960 27,251	F. B. Hoelsin	F. A. Laird, Springfield R. C. Julien, Indianapolis.
Ind Iowa	1,920	40,716	1,722	9,858	2.793	20,093	J. A. Barger	P. Malcolm, Des Moines.
Kans	1,891	12.987	355	1,772	779	3,096	N. L. Townsend	J. H. Mercer, Topesa.
Ку	859	7,423 1,772		18.166	256	21.254 1,950	W. F. Biles	W. H. Simmons, Frankfort. E. P. Flower, Baton Rouge.
La Me	152 1,025	7,948	10 70	1,424 15,092	1.52 1.230		A. F. Staub J. B. Reidy	H. M. Tucker, Augusta.
Md	332	5,056	362	2,609	810	5,207	T. A. Ladson	James B. George, Baltimore.
Mass	145	3,333	545	309	107	670	E. A. Crossman.	L. H. Howard, Boston.
Mich	4,197 1,825	35,049 42,376	389 1,355	36,205 5,159	3,348	42,719 10,405	T. S. Rich W. J. Fretz	
Minn Miss	62	1,547	13	415	141	710	H. L. Fry	
Mo	1,105	15,683	62	40,255	649	41,882	Ralph Graham	H. A. Wilson, Jefferson City.
Mont	450	7,823	24	15,237	145	16.068	J. W. Murdoch.	W. J. Butler, Helena. L. R. Cantwell, Lincoln.
Neor	30 85	1,117	9 12	1 716	326	326	C. H. Hays F. E. Murray	Edward Records, Reno.
Nev N. H	195	3,541	.111	1,716 1,794	342	2.585	E. A. Crossman.	A. L. Felker, Concord.
N. J	177	4,581	394	398	196	933	W. G. Middleton	J. H. McNeil, Trenton.
N. Mex	2.933	223 48,572	6,711	1,701 18,717	1,668	1,908 23,309	F. L. Schneider. H. B. Leonard	Mat Keenan, Albuquerque. H. J. Henry, Albany.
N. Y		9, 202	28	76,742	66	83.638	A. J. De Forest.	Wm. Moore, Raleigh.
N. Dak	960	14,636	87	7,515	1,630	10.824	H. H. Cohenour.	W. F. Crewe, Bismarck.
Ohio	1,693	14,302	418	7,618		10, 141	Paul Vaughn	F. A. Zimmer, Columbus.
Okla	1.043	2,777 8,506	43 112	224 17,654	373 307	679 17,961	L. J. Allen S. B. Foster	J.A. Whitehurst, Oklahoma. W. H. Lytle, Salem.
Oreg		48,041	1,378	11,004	2,243	15,348	P. E. Quinn	T. E. Munce, Harrisburg.
Ř. İ				22	17	53	E. A. Crossman.	T. E. Robinson, Providen c
S. C	123	1,027	0	723	$\frac{142}{276}$	3,763	W. K. Lewis J. O. Wilson	W. K. Lewis, Columbia. A. E. Beaumont, Pierre.
S. Dak Tenn	130 726	3,683 7,228	72 10	366 129		12,519	E. I. Smith	W. B. Lincoln, Nashville.
Tex	51	1,325	0	183	142	447	H. Grafke	L. G. Cloud, Fort Worth.
Utah	577	4,831	54	7,644	100	8,463	F. E. Murray	A. J. Webb, Salt Lake City.
Vt	385	9,493	527 100	1,034 936	2.185 1,095	5,175 $2,277$	R. E. Brook-	E. S. Brigham, Montpelier. J. G. Ferneyhough, Rich-
Та	406	5,241	100	900	1,090	4,211	bank.	mond.
Wash	812	10,381	269	18,513	144	19,481	J. C. Exline	L. C. Pelton, Olympia.
W. Va	205	3,218	27	4.125	438	3,955	George W. Neff.	J. H. Stewart, Charleston. John D. Jones, Madison.
Wis	2,934	44,686	525 5	3.833	4.129	8,661 5,052	J. S. Healy John T. Dallas	A. W. French, Cheyenne.
								,
Total	42,286	520,417	19,810	382,109	04,719	000,427		

LICENSES FOR VETERINARY BIOLOGICAL PRODUCTS, DECEMBER, 1923.

LICENSES ISSUED.

License No.	Date.	Name and address of firm.	Products.
4 164		The Abbott Laboratories, 4739-57 Ravenswood Avenue, Chicago, Ill. Goshen Laboratories (Inc.), 34 St. Johns Street, Goshen, N. Y.	

VETERINARY PERMITS ISSUED, DECEMBER, 1923.

United States veterinary permit No. 2, dated December 26, 1923, was issued to the Pasteur Laboratories of America, 366 West Eleventh Street, New York City, for the following products: Antianthrax serum; antistreptococcic serum; antistetanic serum; fowl-cholera serum; mallein; tuberculin; manufactured by Laboratoire des Vaccins Pasteur pour l'Etranger. Paris, France. Antiblackleg serum; blackleg vaccine; polyvalent serum; polyvalent vaccine; manufactured by Institut de Sérotherapie de Toulouse, Toulouse and Paris, France. Blackleg vaccine manufactured by Prof. O. Thomas Laboratories, Verdun and Dijon, France.

United States veterinary permit No. 5, dated December 26, 1923, was issued to The Ammonol Chemical Co., 366 West Eleventh Street, New York City, for the following products: Anthrax serum; anthrax vaccine, blackleg vaccine; dog-distemper serum; dog-distemper vaccine; fowl-cholera vaccine; mallein (Foth's); normal serum (from the horse); pleuropneumonia streptococcic serum; polyvalent blackleg serum; polyvalent dysenteric bacillary extract; polyvalent paratyphus serum; polyvalent polyvalent streptococcic vaccine; tetanus antitoxin; tuberculin (Koch's), manufactured by tococcic vaccine; tetanus antitoxin; tuberculin (Koch's), manufactured by Pharmaceutisches Immuno-Therapeutisches Institut, Ludwig Wilhelm Gans Aktiengesellschaft, Oberusel (Taunus) Germany.

ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER UNITED STATES VETERINARY LICENSE IN NOVEMBER. 1923.

	Serum.	Virus.		
Ordinary.	Clear.	Total.	Simul- taneous.	Hyperim- munizing.
C. c. 52, 267, 489	C: c. 20, 093, 926	C. c. 72, 361, 415	C. c. 2, 771, 414	C. c. 15, 051, 308

USE OF SPEEDOMETERS ON BUREAU EMPLOYEES' AUTOMOBILES OR MOTORCYCLES.

Employees who are authorized to use their automobiles in official work should equip their cars with attachments for measuring distance traversed so that claims for mileage may be as nearly exact as possible. Inspectors in charge are instructed to see that this requirement is carried out and that such attachments are kept in working order. Hereafter, in claims for reimbursement for mileage, employees will please state whether the distance claimed is measured by speedometer or similar attachment.

STATEMENT OF RESULTS-TICK ERADICATION-JULY 1, 1906, TO DECEMBER 31, 1923.

Chahan	Counties quaran- tined.		Counties	Released counties tick-free,1	
States.	July 1, 1906.	Dec. 31, 1923.	to Dec. 31, 1923.	Nov. 1, 1922.	Nov. 1, 1923.
Alabama Arkansas California. Florida. Georgia. Kentucky Louisiana Mississippi Missouri North Carolina Oklahoma. South Carolina Tennessee Texas Virginia	67 75 15 58 157 2 65 81 4 75 61 44 42 199 30	7 39 0 54 4 0 33 21 0 14 6 0 98	60 36 15 4 153 2 32 32 60 4 61 55 44 42 101 26	15 16 15 3 101 2 37 4 40 35 29 41 44 (1)	26 21 15 3 119 2 3 47 4 46 47 35 41 49
Total	975	280	695	385	458

¹ No bureau cooperation from Nov. 1, 1922, to Nov. 1, 1923.

Areas released from Federal quarantine December 31, 1923: Arkansas, 1 county and 3 parts of counties; Georgia, 5 counties; North Carolina, 5 counties and 2 parts of counties. Areas requarantined December 31, 1923: Alabama, 2 counties; Louisiana, 1 parish; Texas, 8 counties and part of 1 county.

RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS.

Penalties have been imposed in prosecutions for violations of regulatory laws, as reported to the bureau, as follows:

Twenty-Eight-Hour Law.

Baltimore & Ohio Railroad Co. (2 cases), \$200 fines. Receivers of Chicago & Alton Railroad Co., \$125 fine. Chicago, Burlington & Quincy Railroad Co. (2 cases), \$200 fines. Chicago, Milwaukee & St. Paul Railway Co. (2 cases), \$200 fines. Chicago, Rock Island & Pacific Railway Co. (2 cases), \$200 fines. Fort Worth & Rio Grande Railway Co., \$100 fine. Georgia, Southern & Florida Railway Co., \$100 fine. Houston & Texas Central Railroad Co. (2 cases), \$200 fines. Houston & Texas Central Railroad Co. (2 cases), \$200 fines. Illinois Central Railroad Co. (4 cases), \$440 fines. Kansas City, Mexico & Orient Railway Co. of Texas, \$100 fine. Kansas City Southern Railway Co., \$100 fine. Louisville & Nashville Railroad Co. (4 cases), \$400 fines. New York, New Haven & Hartford Railroad Co. (2 cases), \$200 fines. Pennsylvania Railroad Co., \$100 fine. Spokane, Portland & Seattle Railway Co., \$100 fine. St. Louis Merchants Bridge Terminal Railway Co., \$110 fine. St. Louis-San Francisco Railway Co., \$100 fine.

Livestock Quarantine Law.

Chicago Great Western Railroad Co. (2 cases), failure to placard cars "Canadian cattle for immediate slaughter," \$200 fines.

Morgan's Louisiana & Texas Railroad & Steamship Co., failure to mark way-

bill "Southern cattle," \$100 fine.

Wabash Railway Co. (2 cases), interstate transportation of cattle in infectious car, \$200 fines.

NEW PUBLICATIONS OF THE BUREAU.

[The bureau keeps no mailing list for sending publications to individual employees, but publications are sent in bulk to officers in charge for distribution to members of their forces. The number of copies sent varies with the subject or nature of the publication and the number and class of employees. Officers in charge will use their judgment and distribute publications to best advantage. So far as possible additional copies will be furnished on request.]

Farmers' Bulletin 578. The Making and Feeding of Silage. By T. E. Woodward and J. B. McNulty, Dairy Division, and George M. Rommel, E. W. Sheets, and F. R. Marshall, Animal Husbandry Division. Revision. Pp. 32, figs. 8.

Farmers' Bulletin 602. Production of Clean Milk. By Ernest Kelly, Dairy Division. Revision. Pp. 24, figs. 10.
Farmers' Bulletin 1361. Brahman (Zebu) Cattle. By Virgil V. Parr, Animal Husbandry Division. Pp. 21, figs. 9.
Farmers' Bulletin 1368. Breaking and Training Colts. By V. G. Stambaugh. Revised by J. O. Williams and Earl B. Krantz, Animal Husbandry Division.
Supersedes Farmers' Bulletin 667. Pp. 21, figs. 16.
Report of Chief of the Bureau of Animal Industry. Pp. 56.

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY.

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Dairy Division: C. W. Larson, chief.
Division of Hog-Cholera Control: U. G. Houck, chief.
Division of Virus-Serum Control: D. I. SKIDMORE, chief. Field Inspection Division: A. W. MILLER, chief. Meat Inspection Division: R. P. Steddom, chief. Pathological Division: John S. Buckley, chief. Tick Eradication Division: R. A. RAMSAY, chief. Tuberculosis Eradication Division: J. A. KIERNAN, chief. Zoological Division: B. H. RANSOM, chief. Experiment Station: E. C. Schroeder, superintendent. Office of Accounts: George F. Tucker, in charge. Office of Personnel: George H. Russell, in charge.

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